

Manuka

Island: Hawaii
Size: 25,550 acres
Elevational range: near sea level - 5,524 feet
Year established: 1983
Date surveyed: April 1989
Description: On the flank of leeward Mauna Loa in South Kona, Manuka encompasses a wide range of habitats. These include subalpine shrublands and forests, mesic montane kipuka forests, wet montane forests, lowland mesic forests and lowland dry forests. Recent lava flows add a variety of pioneer vegetation types, as well as uncharacterized and unsurveyed lava tubes. Concentrations of the Hawaiian hoary bat occur in the area. A rare lowland grassland and anchialine pools are included as well.

Natural Communities: 17 total, 3 rare

RANK	NAME
------	------

1	Koa/'Ohi'a Mixed Montane Mesic Forest
2	High Salinity Lava Anchialine Pool
2	Pili Lowland Dry Grassland
3	'A'ali'i Lowland Dry Shrubland
3	<i>Fimbristylis</i> Coastal Dry Grassland
3	'Ilima Coastal Dry Shrubland
3	Lama Lowland Dry Forest
3	Lama/'Ohi'a Lowland Mesic Forest
3	Low Salinity Lava Anchialine Pool
3	'Ohi'a Lowland Dry Forest
3	'Ohi'a Lowland Mesic Forest
3	'Ohi'a Montane Mesic Forest
3	'Ohi'a Subalpine Dry Forest
3	Pioneer Vegetation on Lava
3	Pukiawe Subalpine Dry Shrubland
?	Uncharacterized Lowland Lava Tube
?	Uncharacterized Montane Lava Tube

Native Plants: 187 total taxa, 10 rare

Native Animals: 7 total taxa, 3 rare

Management Highlights: Staff control of feral pigs at higher elevations and of goats at lower elevations will be aided by new trails planned for the reserve. Priority weeds include fountain grass, cat's claw, banana poka, and *Passiflora suberosa*. Maintaining the current marijuana control program is recommended. Illegal harvesting of native hardwoods from the reserve should be halted through stepped up enforcement. Systematic monitoring of ungulate and weed control is needed. The impact of non-native plant species spreading from Manuka State Park should be studied. Guppies in anchialine pools should be removed as soon as possible.